

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(error ratio) near10 (count\$3) and RS-485	US-PGPUB; USPAT	ADJ	ON	2009/11/15 13:56
L2	1	(error ratio) near10 (count\$3) and network loop	US-PGPUB; USPAT	ADJ	ON	2009/11/15 13:57
L3	4382	network monitor	US-PGPUB; USPAT	ADJ	ON	2009/11/15 13:57
S2	0	RS and @py<"2003" adj ring	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:47
S3	0	@py<"2003" adj ring	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:48
S4	720615	@py<"2003" and ring	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:48
S5	417190	@py<"2003" and ring and CPU or microprocessor	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:51
S6	15538	@py<"2003" and ring and CPU or microprocessor and 709/251.ocls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:52
S7	15459	@py<"2003" and ring and CPU or microprocessor and router logic and 709/251.ocls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:56
S8	15459	@py<"2003" and ring and CPU or microprocessor and router logic and termination and 709/251.ocls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:56
S9	15459	@py<"2003" and ring and CPU or microprocessor and router logic and termination and optocoupler and 709/251.ocls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:56

S10	15459	@py<"2003" and ring and CPU or microprocessor and router logic and termination and optocoupler and fire and 709/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 11:57
S11	644	@py<"2003" and ring adj network and CPU or microprocessor and router logic and termination and optocoupler fire adj alarm and 709/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 12:27
S12	15	@py<"2003" and ring adj network and class adj A and CPU or microprocessor and router logic and termination and optocoupler fire adj alarm and 709/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 12:28
S13	2	("5787258").PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/09/26 12:35
S14	1	"5655149".PN.	USPAT; USOCR	ADJ	ON	2008/09/26 12:39
S15	1	"5655149".PN.	USPAT; USOCR	ADJ	ON	2008/09/26 12:39
S16	1	"5528594".PN.	USPAT; USOCR	ADJ	ON	2008/09/26 12:40
S17	1	"5613073".PN.	USPAT; USOCR	ADJ	ON	2008/09/26 12:40
S18	1	"5634006".PN.	USPAT; USOCR	ADJ	ON	2008/09/26 12:40
S19	15	@py<"2003" and ring adj network and class adj A and CPU or microprocessor and router logic and termination and optocoupler and fire adj alarm and network adj monitor and 709/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 13:45
S20	7040	ring adj network	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:05
S23	10999	termin\$ same9 jumper	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:06
S24	129237	transceiver	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:07

S26	3734	RS-485	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:07
S30	43868	router and logic	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:09
S32	64	S20 and S23	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:09
S33	178	S20 and S26	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:10
S35	10	S33 and "709".cls.	US-PGPUB; USPAT	ADJ	ON	2008/09/26 15:10
S38	242	@pd<"20031222" and 709/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/29 11:17
S39	1829	@pd<"20031222" and optocoupler or opto adj coupler and 709/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/09/29 16:44
S40	10	@pd<"20031222" and (RS-485 or RS485 or RS adj "485") with router	US-PGPUB; USPAT	ADJ	ON	2008/09/30 08:06
S41	3	@pd<"20031222" and (RS-485 or RS485 or RS adj "485") with router and ring	US-PGPUB; USPAT	ADJ	ON	2008/09/30 08:34
S42	107	@pd<"20031222" and (RS-485 or RS485 or RS adj "485") with controller and ring	US-PGPUB; USPAT	ADJ	ON	2008/09/30 08:57
S43	7	@pd<"20031222" and (RS-485 or RS485 or RS adj "485") adj controller and ring	US-PGPUB; USPAT	ADJ	ON	2008/09/30 08:57
S44	236060	@pd<"20031222" and isolation	US-PGPUB; USPAT	ADJ	ON	2008/09/30 10:00
S45	763	@pd<"20031222" and isolation and optocoupler	US-PGPUB; USPAT	ADJ	ON	2008/09/30 10:00
S46	13	@pd<"20031222" and isolation and optocoupler and router	US-PGPUB; USPAT	ADJ	ON	2008/09/30 10:31
S47	58	@pd<"20031222" and (RS-485 or RS485 or RS adj "485") with transceiver and termination	US-PGPUB; USPAT	ADJ	ON	2008/09/30 11:13
S48	13	@pd<"20031222" and (RS-485 or RS485 or RS adj "485") with transceiver and termination and ring	US-PGPUB; USPAT	ADJ	ON	2008/09/30 11:24
S49	1	("5787258").PN.	US-PGPUB; USPAT	OR	OFF	2008/10/01 09:27

S53	64	General adj electric and rs-485	US-PGPUB; USPAT	ADJ	ON	2008/10/01 10:52
S54	1	"10596717"	US-PGPUB; USPAT	ADJ	ON	2009/04/17 13:25
S55	1	"20030017845"	US-PGPUB; USPAT	ADJ	ON	2009/04/21 08:20
S56	5	"5787258"	US-PGPUB; USPAT	ADJ	ON	2009/04/21 08:20
S57	2	"20020159402"	US-PGPUB; USPAT	ADJ	ON	2009/04/21 12:35
S58	2	"20030084112"	US-PGPUB; USPAT	ADJ	ON	2009/04/21 13:55

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	826	370/242.ccls.	USPAT; UPAD	ADJ	ON	2009/11/15 13:58
L5	3	370/242.ccls. and RS-485	USPAT; UPAD	ADJ	ON	2009/11/15 13:58
L6	5826	370/242-253.ccls.	USPAT; UPAD	ADJ	ON	2009/11/15 14:01
L7	931351	370/242-253.ccls. and loop or ring	USPAT; UPAD	ADJ	ON	2009/11/15 14:01
L8	2255	370/242-253.ccls. and (loop or ring)	USPAT; UPAD	ADJ	ON	2009/11/15 14:01
L9	1428	370/242-253.ccls. and (loop or ring) and error	USPAT; UPAD	ADJ	ON	2009/11/15 14:03
L10	2	370/242-253.ccls. and (loop or ring) and error and fault and rs-485	USPAT; UPAD	ADJ	ON	2009/11/15 14:03
L11	17	370/242-253.ccls. and (loop or ring) and error and isolator	USPAT; UPAD	ADJ	ON	2009/11/15 14:03

11/ 15/ 2009 2:26:53 PM

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